

ATGGCCGTCATGGCGCCCGGAACCTCTCTGCTACTCTGGGGGCCCTTGCCCTGACCCAGACCTGGCGGGTGAGTGGGGTGGGAGGGAAACCCGCTCTGGGGGAGAGG
81* 92* 98*
CAAGGGGCCCTCTGGCGGGGCGCAGGACCGGGGAGCCGCGGGAGGGTCGGGAGGGTCTCAGCCACTGCTGCCCCAGGCTCCACATCATGAGGTAATTCTATCAC
*123
ATCCGTGTCCGGGCCCGGCCGCGGGAGCCCGCTTCATCGCCGTGGGCTACGTGGACGACACGCAGTTCTGTGGGTTGACAGCGCGCGAGCCAGAGAATGGAGCCGCGG
*238 *256 *268* *270 *282* *292*
CGCCGTGGATAGACAGGAGGGGGGGAGATTTGGGACCGGAGACACGGGATATGAAGGCCACATCACAGACTGACCGAGCGGAACCTGGGGACCTGGCGGGCTACTACAAACA
GGAGGAGGACGCTGAGTGACCCCGCGGGGCGCAGGTACGACCCCTCATCCCCCAGGACGGGCCAGGTCCGCCACAGTCTCCGGGTCCGAGATCCACCCCGAAGCCGCGGGA
CTCCGAGACCTTGTCCTGGGAGAGGCCAGCGCCCTTTACCGGTTTCATTTTCAGTTTAGGCCAAAAATCCCCCGGGTTGGTCCGGGCGGGGCGGGGCTCGGGGGACTGGGCT
368* *396 *414*
GACCCCGGGGTGGGGCCAGGTTCTCACACCATCCAGATAATGGATGGCTGCCGACGTGGGGCCGGACCGGGCGCTCCGCCGGGTACCGGCAGGACGCCCTACGACGGCAAGGAT
*453 *502 *527* *539*
TACATCGCCCTGAACGAGGACCTGGCTCTTGGACCGCGGGGACATGGCAGCTCAGATCACCAAGCGCAAGTGGGAGGGCGGTCCATGGCGGGAGGAGGGGAGAGTCTACCTGG
*559 *571*
AGGGCGGGTGGGATACCTGGAGAACGGGAAGGAGAGGCTGCAGCGCACGGGTACCAGGGGCCCTCCCTGATCGCCCTATAGATCTCCCCGGG

FIGURE 1

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ATGGCCGTCAATGGCGCCCGAACCCTCCTCCTGCTACTCTCGGGGGCCCTGGCCCTGACCCAGACCTGGGCGGGTGAGTCGGGGGTGGGAGGGAACCCGCTCTGGGGGGAAG
 CAAAGGGGCCCTCCTGGCGGGGGCGCAGGACCGGGGAGCCGCCGGGAGGAGGGTGGGCGAGGTCTCAGCCACTGCTCGCCCCCAGGCTCCCACTCCATGAGGTATTCTTCCAC
 ATCCGTGTCCCGGGCCCGGCCGCGGGAGCCCCCGCTTCATCGCCCGTGGGCTACGTGGAGACACAGCAGTTCTGTGCGGTTCGACAGCGACGCCCGGAGCCAGAAAGATGGAGCCCGGGG
 CGCCGTGGATAGAGCAGGAGCGGGCGGGAGTATTGGGACCAAGAGACACAGGAATATGAGGGCCCACTCAGACAGTACCGAGCGAACTGGGGACCCCTGCGCGGGCTACTACAACCA
 GAGCGAGGACGGTGAGTGACCCCGGGCGGCGAGTCAAGACCCCTCATCCCCACGACGGGCCAGTTCGCCCAACAGTCTCCGGGTCCGAGATCCACCCCGAAGCCCGGGGA
 CTCCGAGACCCTTGTCGGGAGAGGCCAGGGCCCTTACCCGGTTTCATTTTCAGTTTAGGCCAAAATCCCCCGGGTGGTCCGGGGCGGGGGGCTCGGGGGGACTGGGCT
 GACCGGGGGTGGGGCCAGGTCTCACACCATCCAGATAATGCTATGGCTGCGACGTGGGGCCCGACGGGGCGCTTCGCCGGGTACCGGCAGGACGCCCTACGACGGCAAGGAT
 TACATGCCCTGAAAGAGACCTGCGCTCTTGGACCGCGGGCGGACATGGCAGCTCAGATCACCCAGCCCAAGTGGGAGCGGTCCTATGGGGGAGCAAGCGGAGAGTCTACCTGG
 AGGGCGGGTGGCTGGACGGCTCCGCAGATACCTGGAGAACGGGAGGAGACGCTGCAGCGCAGGGGTACCAGGGGCCACGGGGCGCCCTCCCTGATCGCCCTATAGATCTCCCCGGGC
 TGGCCTCCCAAGAGGGGAGCAATGGGACCAACTAGAAATATCACCCCTCCCTCTG

FIGURE 2

CTAGAGAAGCCAATCAGCGTCGCCGGGTCCAGTTCCTAAAGTCCGACGCACCCACCCGACTCAGAGTCTCTCAGACGCCGAGATGCTGGTCAATGGCGCCCCCGAACCGTCTCTC
CTGCTGCTCTCGCGCGGCCCTTGCCCTTGACCGAGACCTGGGCCGGTGAGTGCGGGTGGGAGGGAAATGGCCCTCTGCCGGGAGGAGCGAGGGGACCGCAGGGCGGGGGCGCAGGACCT
GAGGAGCGCGCGCGGAGGAGGGTCGGCGGGTCTCAGCCCCCTCTCAGCCCCCAGGCTCCCACTCCATGAGGTAATTTCTACACCTCCGTGTCCCGGCCCGGSCCGCGGGGAGCCCCC
CTTCAATCTAGTGGGCTACGTGGACGACACCCAGTTCGTGAGTTCGACAGCGACGCCCGAGTCCGACGAGAGGCCCGCGGGCGCCCTGGATAGAGCAGGAGGGGGCGCGGAGTAT
TGGGACCGGACACACAGATCTCAAGGCCCGAGGACAGACTGACCGAGAGAGCCCTGGCGGAACCTGCGCGGCTACTACAACAGAGCGAGGCGCGGTGAGTGACCCCGCGCGCGGG
CGCAGGTACGACTCCCCATCCCCCAGTACGGCCCCGGGTGCCCCCGAGTCTCCGGGTCCGAGATCCGCCCTCCCTGAGGCCCGCGGACCCCGCCCCAGACCCTCGACCCGGCGAGAGCC
CCAGCGCGGTTTACCCGGTTTCATTTTCACTTGAGGCCAAAATCCCCCGCGGTTGGTCGGGGCGGGCGGGGCTCGGGGAGCTGGGCTGACCCGCGGGCGCGGGCGCGGCTCTCAC
ACCTTCAGAGCATGTAAGGCTGGGACGTGGGGCGGACGGGGCGCTCTCCCGCGGGGCTCCCTGAGGCCCTACGACACGGCAAGGATACATCGCCCTGACAGGAGACCTTGGCT
362**363 *369 412* 418**419 *435
CCTGACCGCGCGGACACGGCGGCTCAGATCACCCAGCGCAAGTGGGAGGGCGGCCCTGAGGCCGAGAGCCTACCTTGGAGGGCGAGTGGCTGGAGTGGCTCCGAG
*571
*583
ATACCTGGAGAACGGGAAGGACAAAGCTGGAGCGCGCTGGTACCAGGGGGCAGTGGGAGCCTTCCCGATCTGATAAGTCCGCGGGGATGGCCCTCCC

FIGURE 3

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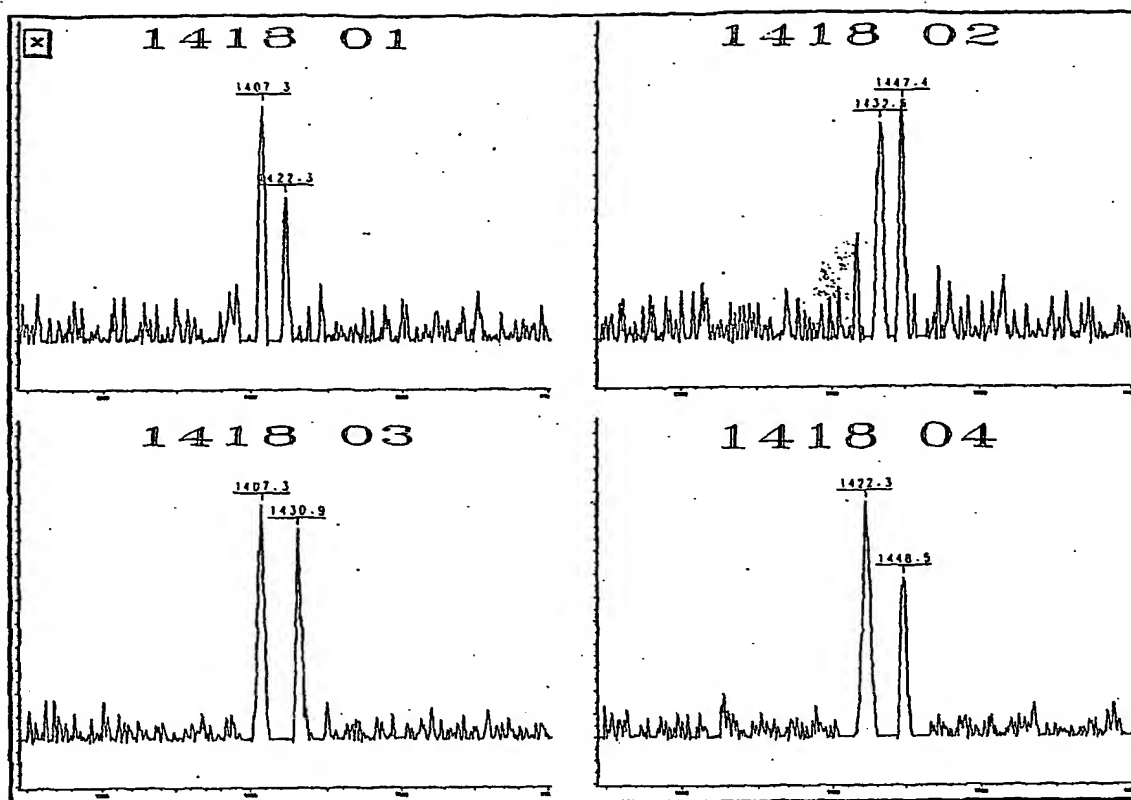
CTAGAGAAGCCAATCAGCGTCGCCGGGTCCGAGTTCTAAAGTCCCAAGCACCACCCCGACTCAGAGTCTCCTCAGACCCCGAGATGCTGGTCA TGGCGCCCGCCGAACCGTCTCTC
 CTGCTGCTCTCGGGCGCCCTGGCCCTGACCGAGACCTGGGGCCGGTGAGTGCGGGTCCGGAGGGAATGGCCCTCTGCCGGAGGAGCGAGGGGACCCGACGCGCGGGGGCGCAGGACCT
 GAGGAGCCCGCGCGGAGGAGGTCCGGCGGGTCTCAGCCCCCTCTCAGCCCCCTCTCAGCCCCAGGCTCCCACTCCATGAGGTATTTCTACACCTCCGTGTCCCCGGCCCGCGGGGAGCCCCCG
 CTTCAATCTCAGTGGGTACGTGGACGACACCCAGTTCTGTGAGTTCTGACAGCGACGCCCGGAGTCCGAGCAGAGGAGCCCGCGCGCTGGATAGACGAGGAGGGCGCGGAGTAT
 206*
 TGGGACCGGAACACACAGATCTCAAGGCCAGGCACAGACTGACCGAGAGCCCTGCGGGGCTACTACAACAGAGCGAGGCCGGTGAGTGACCCCGCGCGGGG
 272* 302*
 CGCAGGTACGACTCCCCATCCCCACGTACGGCCCCGGTCCGCCCGAGTCTCCGGGTCCGAGATCCGCCCTCCCTGAGGCGCGGGGACCCCGCCAGACCCCTCGACCGCGGAGAGCC
 CCAGGCGCGTTTACCCGGTTTCATTTTCAGTTGAGGCCAAATCCCCCGGGTTGTTCCGGCGGGGCGGGGCTCGGGGACTGGGCTGACCGCGGGGCGCGGGCCAGGGTCTCAC
 362**363 *369 412* *419
 ACCCTCAGAGGATGTAGGGGTGGGCGCGGACGGGGCCCTCTCCGGCGGCTACCCAGTACGAGTACGAGGCAAGGATTACATCGCCCTGAACGAGGACCTTGGCT
 CCTGGACCGCGCGGACACGGCGGCTCAGATCACCAGCGCAAGTGGAGGGCGCGCGCTGAGGGGAGCAGCGGAGAGCCCTACCTGGAGGGGCTAGTGCGGTGGAGTGGCTCCGCGAG
 *539
 ATACCTGAGAACGGGAAGACAAGCTGGAGCGCGCTGGTACCAGGGGCGAGTGGGAGCCCTCCCATGCTCTAAGTCCGGGGGATGCTCCCTCCC

FIGURE 4

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GAACACCCCGAGCAGCTTCTTGTGGCAGCTTAAGT*125TGAATGTCAATTTCTTCAATGGGACGGAGCGGGTGGCTGGAAGAATGCATCTATAACCAAGAGGAGTCCGTGC
196**197
GCTTCGACAGCGACGTGGGGAGTA*227*CCGGGGGGTGAACGAGCTGGGGCGGCCCTGATGCCGAGTACTGGAACAGCCAGAAAGGACCTCCTGGAGCAGAAGCGCGGGGCCCGGTGGACAC
286* 299* 308
CTACTGCAGACACAACACTACGGGGTGGTGAGAGCTTCACAGTGACGGCGAGGTGAGCGCGGGCGGGGCGGCTGAGTCCCTGTGAGCGGAGAA
341* 345

FIGURE 5

**FIGURE 6**